

Docket No. 248511US2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Hirohisa SUGIHARA, et al.

SERIAL NO: New Application

GAU:

FILED: Herewith

EXAMINER:

FOR: CONTACT-TYPE IMAGE SENSOR MODULE AND IMAGE READING APPARATUS USING THE MODULE

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION


- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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STATEMENT OF RELEVANCY

Reference AA (5,489,992) of Form PTO-1449:

“CONTACT IMAGE SENSOR WITH CONTINUOUS LIGHT SOURCE
POSITIONED ADJACENT TO DETECTION OBJECT”

A contact image sensor has in an upper portion of a housing a rod-like continuous light source for emitting light directly to an object.

Reference AB (6,111,244) of Form PTO-1449:

“LONG DEPTH OF FOCUS CONTACT IMAGE SENSOR (LF-CIS) MODULE
FOR COMPACT AND LIGHT WEIGHT FLATBED TYPE SCANNING
SYSTEM”

An image sensor system having very long Depth of Focus (DOF) on the document plane and very short optical distance from the document plane to the image plane provides the advantages of both a lens reduction image sensor system and a contact type image sensor system.

Reference AO (7-147620) of Form PTO-1449:

“CONTACT IMAGE SENSOR”

The purpose of this invention is that friction between a copy and glass on which set the copy is decreased, and the contact Image Sensor of this invention can read graphic information finely, even if a glass is not clean.

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 248511US2		SERIAL NO. New Application	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Hirohisa SUGIHARA, et al.			
				FILING DATE Herewith		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	AA	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	5,489,992	02/06/96	Takafumi ENDO			
	AB	6,111,244	08/29/00	Weng-Lyang WANG			
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AO	7-147620	06/06/95	Japan (with English abstract)			X
	AP						
	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AW						
	AX						
	AY						
	AZ					<input type="checkbox"/> Additional References sheet(s) attached	
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							